

REMARKS

Claims 1 - 17 are pending in the application. Claims 1, 5 and 10 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,687,049 issued to Sulhoff et al. in view of U.S. Patent No. 6,366,483 issued to Ma et al. Claims 2 - 4, 6 - 9, and 11 - 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,687,049 issued to Sulhoff et al. in view of U.S. Patent No. 6,366,483 issued to Ma et al. as applied to claim 1 and further in view of U.S. Publication No. 2004/0114215 issued to Tian et al. Applicants have amended Claim 5 and added new Claims 18 and 19. Applicants respectfully traverse the Examiner's rejection and request reconsideration and full allowance of all pending claims.

Sulhoff discloses optical amplifiers that amplify optical signals of a fiber-optic communication link. A computer gathers spectral information to control the amplifiers and related equipment of the communications link.

Ma discloses a PWM rectifier that powers an alternating current motor. Ma has a per phase output filter capacitor C_O that smoothes the output alternating current voltage.

Claim 1 recites, in part, "a capacitance feed forward loop interfaced between the capacitors and the CPU and operable to replicate current present in the capacitors and to communicate the replicated current to the power supply with a gain selected to adjust power supply output to fall within the predetermined voltage and current tolerances in a reduced response time."

Claim 5 as amended recites, in part, "reducing the response time by communicating the estimated current present in the capacitors to the power supply and adjusting power output from the power supply in response to the estimated current present in the capacitors."

Claim 10 recites, in part, "a capacitance compensation loop operable to sense voltage change across the capacitor, to apply the sensed voltage change to estimate the current of the capacitor, and to determine a compensation signal from the estimate for communication with the power supply to adjust power output."

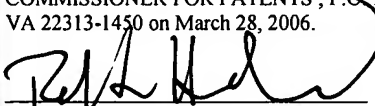
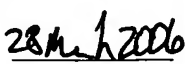
Claim 18 recites, in part, "adjusting power output from the power supply in response to the estimated state of the one or more capacitors."

Sulhoff and Ma cannot make obvious Claims 1, 5, 10 and 18 because Sulhoff and Ma fail to teach, disclose or suggest all elements recited by Claims 1, 5 10 and 18. Although the Examiner asserts that the output filter capacitor of Ma has a feed forward loop between it and the motor, no evidence supports this conclusion. No evidence supports that any estimate or measure of the output filter capacitor's state occurs. Finally, no evidence supports any motivation for the Examiner to combine Sulhoff, which addresses fiber optic communications, with Ma, which addresses power supply to a motor, to make obvious the provision of power to a CPU, microprocessor or information handling system component as is recited by Claims 1, 5, 10 and 18. Accordingly, Applicants respectfully request that the Examiner withdraw the rejections and allow all pending claims.

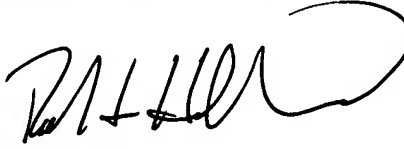
CONCLUSION

In view of the remarks set forth herein, the application is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the examiner is requested to telephone the undersigned.

A check in the amount of \$200.00 is enclosed herewith for the additional independent claim fee. The Commissioner is authorized to charge deposit account 502264 for any underpayments and credit any overpayments to same.

I hereby certify that this correspondence is being sent to the COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on March 28, 2006.	
	
Attorney for Applicant(s)	Date of Signature

Respectfully submitted,


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